

BOROUGH OF KIDDERMINSTER.



REPORTS

ON THE

Health of the Borough

BY THE

MEDICAL OFFICER OF HEALTH

AND

SANITARY INSPECTOR.

1919.

Kidderminster :

PRINTED AT THE SHUTTLE OFFICE, WORCESTER STREET.

Health Committee.

Kidderminster Corporation.

Chairman

COUNCILLOR T. PENSOTTI, J.P.

Vice-Chairman.

COUNCILLOR W. H. TAYLOR.

THE MAYOR

(COUNCILLOR W. COOKE), EX-OFFICIO.

THE DEPUTY-MAYOR,

(ALDERMAN JOSEPH RAY, J.P.), EX-OFFICIO.

ALDERMAN CLEMENT DALLEY, J.P.,

„ G. W. GROSVENOR, J.P.,

COUNCILLOR A. DANBY,

„ T. GRIFFIN, J.P.,

„ J. HIGHFIELD,

„ H. INGRAM,

„ W. T. PEARCE,

„ F. PERKS,

„ F. TANDY,

„ M. WAITE,

„ J. WRIGHT.

Medical Officer of Health

W. H. MOORE, M.R.C.S., L.R.C.P., LOND.

Public Analyst

E. W. T. JONES, F.I.C.

Sanitary Inspector,

J. T. COWDEROY, F.S.I.A.

Assistant Inspector,

H. J. PARKER, A.R.S.I. and Cert. Meat Insp.

Summary of Statistics for 1919 and 1918.

	1919	1918
Area of District in Acres	2,504	2,504
Population at Census, 1911.....	27,544	27,544
Estimated Population { For Birth Rate	27,672	25,601
{ For Death Rate.....	26,564	22,849
Density of Population per Acre	10.61	9.12
Number of Inhabited Houses, estimated	6,723	—
Number of Persons per House	3.95	—
Rateable Value of Houses	£106,810	£107,916
Assessable Value	£89,094	£89,002
Production of Penny Rate	£358	£340
Poor Rate	6/8	6/8
General District Rate	5/10	4/-
Outstanding Debt { District Fund	£60,126	£63,732
{ Education Committee...	£3,980	£4,207
Number of Marriages	325	—
Number of Births	404	404
Nett Birth Rate	14.60	15.62
Birth Rate for England and Wales.....	18.50	17.70
Number of Illegitimate Births.....	20	25
Number of Deaths of Residents	402	470
Nett Death Rate	15.13	20.57
Death Rate for England and Wales	13.80	17.60
Number of Deaths under one year of age	35	27
Of these there were illegitimate	—	5
Infantile Mortality per 1,000 Births	86.63	67.50
Infantile Mortality for England and Wales...	89.00	97.00
Total Deaths from Diarrhoea.....	2	3
Death Rate from all forms of Tuberculosis	1.13	1.66
Number of Deaths from Cancer	36	33
Number of Deaths from Influenza.....	35	138
Rainfall	25.13	25.53

Annual Report

FOR THE YEAR 1919.

—O—

TOWN HALL,
15th MARCH, 1920.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

GENTLEMEN,

I beg to present to you my EIGHTH ANNUAL REPORT upon the Health and Sanitary Conditions of the Borough.

Natural and Social Conditions of District.

The following figures will be of interest:—

ACREAGE OF BOROUGH	2,504 ACRES.
POPULATION AT CENSUS, 1911	27,544
ESTIMATED POPULATION, 1919	26,564.
DENSITY OF POPULATION	10.61 PER ACRE.
INHABITED HOUSES	6,723 ESTIMATED.

SUBSOIL.

The town is situated in a hollow, the subsoil is formed by beds of the new red sandstone series, partly a soft sandstone rock, partly loose incoherent gravel.

In the bottom of the valley near the river there is a bed of superficial clay.

The lowest part of the town is near the Pumping Station, Green Street, being 102 feet above sea level. Lea Bank Avenue is the highest, being 265 feet above sea level.

INDUSTRIES.

The chief industry is the manufacture of Carpets. There are over forty factories and workshops in the Borough carrying on the trades of Carpet Manufacturers, Worsted and Yarn Spinners, Iron and Brass Founders, Millers, Brewers, Tanners, Motor, Chemical Dry Soap and Oil Manufacturers.

TRADE.

Speaking generally, the staple trade of the town, (Carpet Weaving), has been very good, and is carried out under healthy conditions. The change of hour of commencing work from 6 a.m., to 7 a.m., must have had a beneficial effect on the health of a large number of girls employed.

From enquiry at the Labour Bureau I am informed that 90 per cent. of demobilised men have been absorbed into industry.

OLD AGE PENSIONS.

One hundred and one claims were allowed during the year. The total number of claims approved and cases revised from the commencement of the Old Age Pensions Act in 1908 to October 31st, 1919, is 1,198.

CHARITIES.

GUILD OF HELP.

This Committee deals with any cases of poverty and distress in a business-like manner—a great improvement on the old indiscriminate and haphazard way of private almsgiving. The committee is doing excellent work, and ought to be well supported by the inhabitants.

WITNELL'S ALMS AND CLARE'S CHARITY.

This combined Charity finds shelter for eight old people in almshouses, and also gives them a weekly allowance. The gross income of this Charity is £274 per annum.

BANK'S CHARITY.

This consists of six almshouses situated in Broad Street, and accommodates twelve old people.

PARKS

There is a Public Park in the Borough known as Brinton Park which contains thirty acres. Facilities are afforded for children to play games, and there is a bowling green.

During the food shortage in 1917 a portion of the Park was placed under cultivation as allotments, which are still carried on. A small plot of ground is reserved for model gardens, which are cultivated by children living in the Borough.

The Park is well kept, and continues to attract large numbers of the public during the summer months.

OPEN SPACES.

There are two open spaces in the town used as play grounds for children. More are needed.

NATIONAL KITCHEN.

A National Kitchen has been opened in the Horsefair.

Although I understand this Institution is not quite a financial success I would urge the Council to carry it on as it is of great benefit to a large number of working class people who live in that district. From personal observation I can testify to the thoroughly hygienic manner in which the food is prepared.

The average number of portions supplied during the week is 1,984.

RETAIL MARKET.

This Market is large, efficiently lighted and well ventilated.

CATTLE MARKET.

The Cattle Market is one of the largest in the Midlands, and is well patronised by farmers and dealers. More covered accommodaton is still necessary for the animals.

MORTUARY.

We have a Public Mortuary situated in the Cemetery. A more up-to-date building, conveniently placed, would be of greater service to the town.

METEOROLOGICAL OBSERVATORY.

There is a Meteorological Observatory situated at the Brinton Park, the observations being taken each morning at 9 a.m.

The total rainfall for the year has been 25.13 inches.

The total rainfall for the year 1918 was 25.53 inches.

Vital Statistics.

MARRIAGES.

The number of Marriages which took place in the Borough during the year was 325
 Equal to a rate per 1,000 of the Birth-rate population of 11.74

BIRTHS.

The number of Births registered in the Borough was 216 males being a total of 404
 188 females

Number of Births registered in 1918 414

Nett rate per 1,000 of the population for year 1919 **14.60**

Nett rate per 1,000 of the population for England and Wales 18.50

Illegitimate births registered during the year, 11 males being a total of 20
 9 females

Illegitimate births registered in 1918 were 25

The rate per 100 births registered for 1919 4.95

The rate per 100 births registered for 1918 6.18

Seven of these Births occurred in the Workhouse.

The occupation of the mothers was as follows :—

Mill Hands	9
Domestic Servants	2
Other Workers	9

The number of Still Births occurring in the Borough was 26. The number returned by the Superintendent as being interred in the Cemetery was 20.

NUMBER OF BIRTHS IN QUARTERS OF 1919.

	Boys.	Girls.	Total.
First Quarter	... 44 ...	37 ...	81
Second Quarter	... 35 ...	39 ..	74
Third Quarter	... 48 ...	38 .	86
Fourth Quarter	... 89 ...	74 ..	163
	216	188	404

DEATHS.

The number of deaths registered during the
 year was ^{216 males} being a total of 448
 ^{232 females}

Equal to a rate per 1,000 of the population of..... 16.86

The number of deaths of infants under one year was 35

Equal to a rate per 1,000 births of.....86.63

The number of deaths of illegitimate children
 under one year was 0

Eleven residents of the Borough having died in other
 districts have been notified to us by the Registrar General
 and have been included in our Tables

Fifty-seven deaths of non-residents have occurred
 in the Borough. These have been transferred to other
 districts.

Total number of deaths of residents during the year 402

Total number of deaths of residents in 1918 was... 470

Nett death rate for residents in the Borough of
 Kidderminster per 1,000 of the population during 1919 ...**15.13**

Death rate for England and Wales in 1919 ...**13.80**

Nett death rate per 1,000 of the population for
 1918 20.57

Deaths in the Workhouse, 67 ; Residents, 48 ; Non-
 residents, 19.

Deaths in the Infirmary, 54 ; Residents, 30 ; Non-
 residents, 24.

The ages at which the deaths have taken place during
 the year are as follows :—

Under 1 year	35
Between 1 and 2 years	8
Between 2 and 5 years.....	15
Between 5 and 15 years	10
Between 15 and 25 years.....	13
Between 25 and 45 years	51
Between 45 and 65 years	93
65 years and upwards	177
	<hr/>
	402
	<hr/>

Number of Births, 1919, 404

Number of Deaths, 1919, 402

Nett increase in the population for 1919 2

Nett decrease for 1918 70

DEATHS OF SOLDIERS.

Two deaths of soldiers occurred in the Borough
 during the year.

No. 362—Cause of death, Influenza. Pneumonia. age 30.

No. 488.— „ „ „ Septicaemia, origin Septic
 Throat. age 32.

NUMBER OF DEATHS FROM EACH DISEASE, AND SEX.

CAUSE OF DEATH	Male.	Female
1—Enteric Fever	—	1
2—Small Pox	—	—
3—Measles	3	—
4—Scarlet Fever	—	—
5—Whooping Cough	3	8
6—Diphtheria and Croup	2	2
7—Influenza	14	21
8—Erysipelas	—	1
9—Pulmonary Tuberculosis	12	14
10—Tuberculous Meningitis	3	—
11—Other Tuberculous Diseases	—	1
12—Cancer, Malignant Disease	15	21
13—Rheumatic Fever	—	—
14—Meningitis	1	1
15—Organic Heart Disease	18	20
16—Bronchitis	22	24
17—Pneumonia (all Forms)	12	7
18—Other Respiratory Diseases	1	1
19—Diarrhoea, etc. (under two years)	2	—
20—Appendicitis and Typhilitis	—	2
21—Cirrhosis of Liver	1	—
21A Alcoholism	—	—
22—Nephritis and Bright's Disease	10	8
23—Puerperal Fever	—	1
24—Parturition, apart from Puerperal Fever	—	—
25—Congenital Debility, etc	5	5
26—Violence, apart from Suicide	6	2
27—Suicide	1	—
28—Other defined diseases	56	70
29—Causes, ill-defined or unknown	2	3
TOTAL.....	189	213

CANCER.

During the year we have had 36 deaths from this disease; 3 more than 1918. Under this heading are included all forms of malignant disease.

The following table shows the various types:—

Carcinoma	30
Epithelioma	3
Malignant Disease	1
Sarcoma	1
Malignant Sarcoma	1

The frequency with which the different parts of the body were affected was as follows:—Abdomen, 2; Breast, 5; Chest, 1; Intestine, 5; Jaw, 1; Liver, 9; Oesophagus, 1; Pancreas, 1; Rectum, 2; Scalp, 1; Stomach, 2; Tongue, 1; Tonsil, 2; Uterus, 3.

Occupations of the deceased persons were as follows:—

Domestic Duties	23
Weavers	5
Labourers	2
Various other occupations	6
	36

RESPIRATORY DISEASES.

Pneumonia	19	} Making a total of 67).
Bronchitis	46	
Other Respiratory Diseases	2	

During 1918 the number of deaths from the above causes was 61*.

INQUESTS HELD DURING 1919.

1—NATURAL CAUSES	4
2—ACCIDENTS: Shock from Burns	1
Falls	5
Kick from a Horse	1
Cut on Thumb	1
Collision with a Cart	1
3—OTHERS: Suicide during Temporary Insanity	2
Death under Anaesthetic	1
Found Dead	1
	17

POOR LAW RELIEF.

The amount of Out-door Relief for the year has been £1,819 6s. 8d.

PUBLIC INSTITUTIONS.

KIDDERMINSTER INFIRMARY AND CHILDREN'S HOSPITAL

This Institution is supported by voluntary contributions.

In-Patients admitted during the year:—

Adults, 808	{	490 belonging to Kidderminster.
		318 belonging to the Country.

Children, 232	{	170 belonging to Kidderminster.
		62 belonging to the Country.

Out-Patients admitted during the year:

500	{	392 belonging to Kidderminster.
		108 belonging to the Country.

Anaesthetics administered, 1,073.

There were 269 teeth extracted under Anaesthetics.

The income during the year has been £7,550 8 0

The Expenditure „ „ „ £7,691 12 5

Showing a deficit on the year's working of £141 4 5

There is an X Ray department attached to the Infirmary.

In connection with the Scheme for dealing with Venereal Diseases a Venereal Clinic has been established at the Infirmary for treatment of these cases.

WORKHOUSE.

The Workhouse for the Borough and surrounding parishes is situated in Sutton Road.

The inmates on December 31st. 1919, were : Sick, 71 ; Children, 24 ; others, 148 ; being a total of 243.

Inmates on December 31st, 1918, were 269.

All Children above three years of age are accommodated at the Children's Home, Sunnyside, Franche.

There is a special ward for phthisical patients in the Workhouse.

TUBERCULOSIS DISPENSARY.

Situate at 19, Lion Street, Kidderminster.

The Assistant Tuberculosis Officer for the County attends every week.

The average number of patients attending was 20.

KIDDERMINSTER NURSING ASSOCIATION.

The Staff consists of Superintendent, Miss Gregory, assisted by two nurses, one of whom has the Certificate of the Central Midwives' Board. An additional temporary nurse is obtained when necessary.

Summary of work done during year ending 30th Sept., 1919 :—

New Patients :	Medical Cases	274
	Surgical Cases	167
	Midwifery Cases	198

TOTAL	639
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Transferred to Hospital...	22
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Convalescent	574
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Died	72
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Total number of visits for year	13,416
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Excellent work is done by this Institution which is undoubtedly of great benefit to the inhabitants.

Sanitary Circumstances of the District.

WATER SUPPLY.

The water supply of the Borough is derived from an Artesian Well 300 feet deep.

The average number of gallons pumped per day was 1,070,000, being an allowance for each inhabitant of 40 gallons. In addition to being very liberal, the supply has been continuous during the whole of the year.

The river Stour, flowing through the centre of the town is free from any injurious pollution.

SEWERAGE DEPARTMENT.

The sewers, although some are slightly deficient in fall, are well ventilated, and with the care bestowed on them by your Borough Surveyor, are acting very efficiently.

The sewage, after gravitating to the Pumping Station is pumped up to the Farm on the Stourport Road.

SEWERAGE OF ADDED AREAS.

Owing to the War, the sewerage of Sutton Common, Foley Park, Broadwaters, and Somerleyton Avenue had to be postponed, therefore the sanitary condition of these areas remains in the same condition as when last reported by me.

The Drainage and Waterworks Committee have now decided to proceed forthwith with the Scheme, and have asked for tenders for sewerage Sutton Common and Broadwaters.

CLOSET ACCOMMODATION.

The closet accommodation in the old portion of the Borough is chiefly of the water-closet type. There are a small number of privies and pans in use in the old portion where the sewerage system does not extend. Each water-closet has a pan and a two-gallon syphon flushing cistern supplied with Town Water. The greater number of houses have a water-closet to each house. In the smaller houses of two bedrooms and two living rooms there is usually one water-closet to two houses.

In the extended Borough, the Franche and Habberley road districts are sewered and the water carriage system prevails. In the parts not sewered, water-closets, privies, and pans are about equal in number.

Approximate number of water-closets in Borough 4,062
 Approximate number of privies in Borough 180
 Approximate number of pan-closets in Borough... 187

SCAVENGING.

The removal of house refuse is under the control of the Sanitary Inspector.

The system of collection in vogue is weekly, and in few (outlying cases) fortnightly, from portable ash receptacles.

The refuse is disposed of by tipping on agricultural land and on low lying meadows on the outskirts of the Borough.

During the past ten years 351 ashpits have been removed, and portable receptacles provided for weekly collection.

SANITARY INSPECTION OF DISTRICT.

(A)	Number of Inspections made	3,091
(B)	Number of Preliminary Notices served ...	627
	Statutory Notices served	192
(C)	Nuisances abated and sanitary improvements carried out as a result of verbal communication with owners, for which notices were not served	160
	Total of Nuisances abated and Sanitary improvements carried out as tabulated on page	2,413

PREMISES AND OCCUPATIONS WHICH CAN BE CONTROLLED BY BYELAWS OR REGULATIONS.

COMMON LODGING HOUSES.

These are well conducted, the Bye-laws being strictly enforced.

OFFENSIVE TRADES.

There are seven offensive trades in the Borough, all premises of which are kept in a clean condition.

CELLAR DWELLINGS AND HOUSES LET IN LODGINGS.

We have no cellar dwelling or houses let in lodgings in the district.

OTHER SANITARY CONDITIONS REQUIRING NOTICE.

Complaints were received during the year as to smells from an ash tip belonging to one of the factories in the Borough. The nuisance was found to be caused by the fumes given off owing to the internal combustion of the ashes on the tip. The owners are taking all possible steps to mitigate the nuisance.

SCHOOLS.

The school buildings have been inspected, and have been found in good sanitary condition.

During the year 14 schools were disinfected.

After consulting with the School Medical Officer, the Broadwaters School was closed on 19th February, 1919, for 10 days, the Coventry Street Girls on March 6th for 10 days, and the Coventry Street Infants and Bennett Street Infants on March 5th, 1919, for eleven days, the cause being Influenza.

The attendance at school was very much diminished towards the end of the year by an epidemic of Measles. The schools were not closed as it was not considered that any beneficial effect in preventing the spread of the epidemic would accrue therefrom, but ordinary precautions were taken

Food.

MILK SUPPLY.

Speaking generally, the milk supply of the Borough has been of good and wholesome quality. At one period there was a scarcity but owing to the energetic action of the Food Control Committee this was remedied so that it cannot be said to have affected the Infantile population to any extent.

Three samples sent for Bacteriological examination were reported on as follows:—

“The Gelatine and Agar counts are normal for milk, but the presence of *Bacillus Coli* and *Bacillus Enteritidis* *Sporogenes* point strongly to the presence of animal matter in the samples, either in the form of dust or manure.”

MILK (MOTHERS AND CHILDREN) ORDER, 1918.

226 Tickets were given during the year for Milk. For details see Maternity and Child Welfare Section, Page 20.

OTHER FOODS.

During the year there were four seizures and 35 surrenders of unsound Food. For details see Page 31 of the Inspector's Report.

We have 24 slaughter houses in the Borough; only nine of these being at present in use.

The inspection of these has been very efficiently carried out by the Inspector and his assistant.

I have personally visited the Slaughterhouses and have found them in fair condition.

It would be a great help to your officials and a great benefit from a public health point of view if a Public Slaughterhouse was built. Your Committee would then be in a better position to deal with some of the old Registered Slaughterhouses which are totally unsuitable because of their proximity to dwelling-houses and schools.

The amount of meat condemned for Tuberculosis during the year was as follows:—

2	bovine	carcases and organs.
3	„	lungs.
2	„	livers.
1	„	head.—Total weight being 1,270lbs.

BAKEHOUSES.

We have 48 Bakehouses on the Register. For details see Inspector's Report, page 30.

SALE OF FOOD AND DRUGS ACTS.

Fifty-two samples have been submitted for analysis 47 were genuine, and five adulterated.

Prevalence of and Control over Infectious Diseases.

The deaths from the principal Zymotic Diseases, including Pulmonary Tuberculosis during the year have been 47, equal to rate of 1.77 per 1,000. Below is a Table showing the number of deaths during the past ten years.

DISEASES.	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910
Small Pox ..	—	—	—	—	—	—	—	—	—	—
Scarlet Fever ..	—	—	—	1	—	—	—	2	4	1
Typhoid Fever ..	1	—	—	—	—	—	—	—	—	—
Measles ..	3	5	8	16	3	1	3	2	5	—
Diphtheria ..	4	5	4	2	5	1	—	—	—	—
Diarrhoea ..	2	3	8	9	6	15	32	5	33	7
Whooping Cough ..	11	—	2	—	4	—	3	15	—	12
Pulmonary Tuberculosis ..	26	32	26	23	22	26	27	—	—	—
TOTALS ..	47	45	48	51	40	43	*65	24	42	20

*Enlarged Borough. Pulmonary Tuberculosis also included for the first time.

The following Table gives the number of Diseases notified in the year 1919, and in the nine previous years.

DISEASES.	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910
Small Pox ..	—	—	—	—	—	—	—	—	—	—
Cholera ..	—	—	—	—	—	—	—	—	—	—
Diphtheria ..	25	36	36	23	16	22	7	1	7	8
Membranous Croup ..	—	—	1	—	—	—	1	—	—	—
Erysipelas ..	6	4	6	3	12	15	15	20	29	29
Scarlet Fever ..	7	6	26	28	37	53	33	143	216	116
Typhus Fever ..	—	—	—	—	—	—	—	—	—	—
Typhoid Fever ..	2	—	—	—	—	3	—	—	1	—
Puerperal Fever ..	4	2	—	1	—	1	—	—	1	1
Ophthalmia Neonatorum ..	5	4	1	7	3	10	3	6	1	—
Pulmonary Tuberculosis ..	51	25	31	25	39	43	48	43	—	—
Other Tuberculous Diseases ..	17	6	18	10	14	22	26	—	—	—
Measles ..	428	375	422	*524	—	—	—	—	—	—
Encephalitis Lethargica ..	1	—	—	—	—	—	—	—	—	—
Malaria ..	19	—	—	—	—	—	—	—	—	—
Dysentery ..	2	—	—	—	—	—	—	—	—	—
Pneumonia ..	46	—	—	—	—	—	—	—	—	—
TOTALS	‡ 613	458	541	*621	121	169	133	213	255	154

*Measles included for the first time.

‡Encephalitis Lethargica, Malaria, Dysentery, and Pneumonia included for the first time.

DIPHTHERIA.

There were 25 cases notified, being a decrease of 11 on the previous year. Five deaths occurred as compared with 5 deaths in 1918.

Many of the cases were of a mild type.

The sanitary surroundings of the houses were good, with the exception of two dwellings in the Sutton Common district.

In only 2 cases could infection be traced to personal contact, there being another case in the same house.

Cases which could not be properly isolated at home were admitted to the Borough Hospital. Seven patients were sent in during the year, one being a military case from Bewdley.

All the houses are disinfected after the removal of the patient to Hospital or on recovery.

Of the 5 deaths under this heading 3 occurred in the Infirmary, where they were admitted for operation. One was from an outside district.

Death rate of cases belonging to the Borough per 1,000 of the population,15.

Your Committee supply Anti-toxin free of charge to medical men for the treatment of the poorer inhabitants of the Borough.

Sixty-one Tubes of Anti-Toxin have been supplied during the year.

Thirty-eight swabs were supplied for diagnostic purposes.

SCARLET FEVER.

We have had 7 notifications of this disease for 1919 and no deaths; against 6 and no deaths for 1918. Five cases were removed to Hospital, the remaining 2 cases being satisfactorily isolated at home.

The majority were of a mild type. There were no return cases.

TYPHOID FEVER.

Two cases of this disease were notified and one death. These two cases were those of sisters who resided in the same house, both being confirmed by bacteriological test. No source of infection could be traced. A man living next door, a soldier on leave for two or three weeks, was said to be an attendant in the typhoid wards of a military hospital.

Both patients were removed to the Infectious Hospital, and one died.

No further case occurred.

MEASLES.

428 cases of Measles were notified during the year, 314 being by medical practitioners and 114 by parents or other people. Three deaths occurred, equal to a rate of per 1,000 of11.

375 cases were notified with five deaths in 1918.

For further details see Maternity and Child Welfare Section, page 20.

ERYSIPELAS.

There were 6 cases notified during the year; one death.

The average number of cases notified during the last ten years is 14.

A large percentage of the cases of this disease notified are not of a very virulent or infectious type.

The months in which the cases were notified are as follows: March, 1; April, 1; June, 2; August, 1; December, 1.

ENCEPHALITIS LETHARGICA.

One case was brought to the Infirmary from an outside district and only lived one day. No post-mortem was made. A special report was forwarded to the Ministry of Health.

INFLUENZA.

35 deaths occurred, chiefly in the first quarter of the year (being the third wave of the 1918 epidemic), against 139 deaths for 1918. The following are the months in which the deaths occurred: January, 4; February, 12; March, 15; April, 2; June, 1; December, 1.

TUBERCULOSIS.

Total number of cases notified during the year was :
 Pulmonary, 51 making a total of 68.
 other forms, 17

Thirty-seven more than last year.

All cases notified are passed on to the County Council, who deal with the whole of them.

There is a marked increase in cases notified especially in the pulmonary class.

In all cases of death we disinfect the house.

Miss Gregory, who is the County Council nurse, is in touch with our Health Department and reports any insanitary conditions she may find.

Deaths from Tuberculosis during the year :—
 Pulmonary, 26 total 30.
 Other forms, 4

Equal to a rate per 1000 of 1.13; eight less than last year

The ages at which the deaths occurred are as follows :—

	Pulmonary.	Other Forms.
Under 1 year	0	0
From 1 to 2 years	0	1
From 2 to 5 years	0	1
From 5 to 15 years	1	0
From 15 to 25 years.....	4	1
From 25 to 45 years	14	1
From 45 to 65 years.....	6	0
65 years and upwards.....	1	0
	26	4

The following table shows the chief occupations of the deceased persons :—

Domestic Duties	9
Labourers	4
Mill Hands	1
Weavers	2
Children	3
Army Pensioners	2
Various other Occupations.....	9
	30

During the year 45 bottles were supplied to medical men to send sputum for bacteriological examination.

VENEREAL DISEASE.

The scheme dealing with Venereal Disease is worked by the County Council who have established a Clinic at the Infirmary here. The following are the particulars of the work done during the year:—

New Out-Patient Cases—Syphilis and Gonorrhoea	109
Attendances	1,134
New In-Patient Cases	50
Total Days—In-patient	1,290
Salvarsan Substitutes—Number treated	91
Doses given	529
Wasserman Re-action taken	216
Genococci Vaccine Injections given ...	140

ANTHRAX.

One case of external anthrax occurred during the year, the patient being a resident of Bewdley, but working in Kidderminster. The case was treated in the Infirmary, sclavos serum being used. There was a complete recovery.

Maternity and Child Welfare.

The supervising authority under the Midwives Act is the County Council.

The Maternity and Child Welfare Work is carried on by a Committee consisting of sixteen members of the Town Council, eight women (two of whom represent the working classes) and one medical man. There is a whole-time Health Missioner.

A Clinic, supervised by a Committee of Ladies is established in Prospeet Lane for attendance of infants from birth to five years.

Babies are weighed.

Glaxo and Chymol are sold at cost price.

Virol and Cod Liver Oil Emulsion are given when ordered by doctor.

Minor ailments are attended to.

A medical man attends fortnightly and all children are seen by him. Notes are entered on Record Cards.

Expectant mothers can attend, but so far not many have availed themselves of the opportunity.

Another Clinic was opened in April, 1919, at St. John's Institute.

The Health Missioner receives notification of birth from the County Council and visits all the Infants at their homes (excepting cases where it is not deemed necessary), assists with her advice, and in necessitous cases gives milk tickets. These cases are brought before the next monthly meeting of the Committee and are reported on by a Lady Visitor appointed by the Committee.

Expectant mothers are also visited by the Health Missioner, who, if she finds anything abnormal, advises them to see a doctor.

The County Council pay the fee of any medical man called in by a midwife, in necessitous cases.

The Health Visitor pays special attention to the illegitimate children. Of those born during the year, eight are at home with the mother, seven with relatives, one has left the district, two have moved and not been traced, and three belonged to outside districts.

There is a Home for illegitimate children established in Hurcott Road, carried on by the Worcester Diocesan Society. Maternity work is carried on. Babies, whose mothers go out to work, are cared for, and widows' or widowers' children are received. In the case of a mother going into the Infirmary, or away to a Convalescent Home for treatment, her children can be admitted and taken care of until her return.

PUERPERAL FEVER.

Four cases were reported during the year. Two of these were from outside districts sent to the Infirmary, in Mill Street. Both died. Of the two cases in the Borough, one died.

OPHTHALMIA NEONATORUM.

Five cases were notified and four completely recovered. One has opacity of cornea in one eye.

MEASLES.

During the year we had an epidemic of measles. 428 cases were notified. 398 visited, advice and literature given. There were 3 deaths.

A special arrangement for the nursing of the more serious cases of Measles, Whooping Cough, etc., has been made with the Kidderminster Nursing Association. The Committee pay them £25 annually plus one shilling for each case attended.

WHOOPIING COUGH.

Unfortunately an epidemic of Whooping Cough was responsible for 11 deaths of children under five years of age. Seven of these were under one year of age. The deaths chiefly occurred in the months of April and May.

EPIDEMIC DIARRHOEA.

There were 2 deaths of infants under one year of age. One was a case of a child belonging to parents who were on the road and were staying at a Common Lodging House in Blackwell Street. It was taken up to the Workhouse and died on the following day.

The other case was a child who contracted diarrhoea while on a visit to relatives in the Midlands. It died four days after returning to Kidderminster.

MATERNITY AND CHILD WELFARE, 1919.

BIRTHS.

Registered :	Legitimate	384
	Illegitimate	20
	Total	404
Notified :	Live Births.....	415
	Still Births	26
	Total	441
	Notified by Midwives	295
	Notified by Doctors	16
	Doctors and Midwives	130

DEATHS.

Number :	Legitimate	35
	Equal to a rate per 1,000 births	86.63
	Infantile Mortality for England and Wales	89.00
	For the year 1918 it was 27, equivalent to.....	67.50
	The average rate for the past ten years has been	109.21

There were no deaths of illegitimate children during the year.

The following table shows the ages at which the deaths of Infants under 1 year of age occurred :—

Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total Deaths under 1 year
10	1	—	1	12	6	5	7	5	35

MIDWIVES.

Number in District :	Trained	6
	Untrained	1

HEALTH VISITOR : VISITS.

To expectant Mothers	First Visits	66
	Total Visits	200
To Infants under 1 year	First Visits	352
	Total Home Visits.....	*3,856

*This includes visits from birth to five years.

Clinic : Total Attendances.....2,306

MUNICIPAL CENTRES.

PROSPECT LANE CLINIC:—2.30 Thursdays, Medical Supervision on alternate Thursdays. Average attendance of children, 39.

ST. JOHN'S INSTITUTE:—2.30 Tuesdays. Average attendance of children, 10; This Centre was opened on Apr. 29th, 1919.

SEWING MEETING:—2.30 Wednesdays. Average attendance, 10.

2,104 lbs. of Glaxo were disposed of. 226 Milk Tickets were given, representing 3,860 pints.

Sanitary Administration.

STAFF.

The staff consists of Medical Officer of Health, Chief Sanitary Inspector, Assistant Sanitary Inspector, Office Clerk, and Health Visitor, all of whom are qualified officers.

The work of the Chief and his Assistant Inspector is as follows:—Inspection of Districts, Houses, Bakehouses, Workshops, Cowsheds, Dairies, Milkshops, Lodging-houses, Meat and other Foods, Canal Boats; Abatement of Nuisances. Taking samples under Food and Drugs Acts, and supervision of the collection and disposal of house refuse.

We have no local Acts, and all the Public Health Acts are in force in this Borough, excepting Section 39 of the Public Health Acts Amendment Act, 1907.

THE BOROUGH INFECTIOUS HOSPITAL.

The Hospital is the property of your Council, and is situated near the Stourport Road, about $1\frac{1}{2}$ miles from the centre of the Borough.

The Scarlet Fever block consists of corrugated iron pavilions, containing four wards with 36 beds, with bath-rooms and water-closets to each ward.

There is a discharging Ward, containing unrobing, bath, dressing and waiting rooms.

The Diphtheria Block consists of two Wards, with 16 beds.

There is an administrative block, laundry, mortuary, disinfecting chamber and lodge for man and wife.

The Small Pox pavilion is situated about 170 yards away from the Scarlet Fever Pavilions, and is enclosed with a corrugated iron fence.

The Pavilion contains two Wards, six beds to each ward, nurse's bed-sitting room, kitchen, scullery, larder, out-offices, laundry, ambulance house, mortuary, and a wooden building for the use of the staff.

The Staff of the Hospital consists of Matron, two probationer Nurses, one cook, one maid, one laundress, and one gardener.

Miss Cook was appointed Matron in April, 1919, in place of Miss Upton (deceased).

In 1916 the Health Committee decided to admit Diphtheria cases to the Hospital where isolation could not be obtained at home, since when 28 patients had been admitted up to the end of 1919.

Special arrangements are made for admitting Scarlet Fever patients from the following districts :—

Bewdley Borough.

Rural District of Kidderminster.

Martley Rural District.

Stourport Urban District.

One case of Scarlet Fever was admitted from Martley Rural District during 1919, and one military case (a soldier on leave at Bewdley who developed Diphtheria).

Two cases of Enteric Fever were admitted during the year from the Borough. One patient died.

The following is a summary of cases admitted during the year :—

No. in Hospital on December 31st, 1918 ...	0
No. of Scarlet Fever Cases admitted from Jan.	
1st to December 31st, 1919	6
No. of Scarlet Fever Cases discharged cured...	2
Remaining in Hospital on December 31, 1919	4
No. of Diphtheria Cases admitted from Jan.	
1st to December 31st, 1919.....	7
No. of Diphtheria Cases discharged cured.....	6
Remaining in Hospital on December 31st, 1919	1
No. of Enteric Fever Cases admitted from	
Jan. 1st, to December 31st, 1919	2
No. of Enteric Cases discharged cured	1
Died	1
Remaining in Hospital, on Dec. 31st, 1919 ...	0
Total No. of Cases admitted during the year...	15
Average No. of Days each Scarlet Fever patient	
discharged remained in Hospital	46

BACTERIOLOGICAL WORK.

All Bacteriological work is carried out by the County Bacteriologist, Shirehall, Worcester, and medical practitioners in the Borough send specimens direct or through the Health Department for examination.

A supply of sputum specimen bottles, and diphtheritic swabs is kept at the Health Office.

Housing.

Estimated number of Houses in district ...	6,723
Number of working class dwellings	5,913
Number of working class dwellings erected during year	I
Estimated population	26,564

It is not anticipated that there will be any material increase in the population during the next twelve months. If the new industries contemplated justify their existence, together with the trade boom in carpets, the population may show a substantial increase.

The house shortage is still acute in the Borough. This will, I hope, be shortly relieved by the new houses, work on one site having been commenced (February, 1920), and may, to some extent, be eased by the removal of people from houses in the Borough, who came here chiefly from the crowded munition centres, after war commenced, and who now desire to move back at the first opportunity.

Serious cases of overcrowding are rare, only one case having been dealt with during the year. This was abated by two members of the family sleeping away.

The general standard of houses in the district is good; the defects chiefly found are dirty walls and ceilings, floors dilapidated, etc., all of which are dealt with under the Public Health Act, 1875.

The number of houses inspected under the Housing Acts, during the past year was 315.

For further details regarding Closing Orders, etc., see page 33 of the Inspector's Report.

The Staff consists of Chief Inspector and an Assistant. Both officers when they have time from other duties do house to house inspection. The Health Committee have been asked to designate the Assistant as Inspector under the Acts.

I wish to express my thanks to your Sanitary Inspector and his staff for their generous help and courtesy.

In conclusion, I beg to thank the members of your Committee for their support extended to me in carrying out my duties as Medical Officer of Health for the Borough.

I am, Gentlemen,

Your obedient Servant,

W. HODGSON MOORE.

Sanitary Inspector's Annual Report

FOR THE YEAR 1919.

GENTLEMEN,

I have much pleasure in submitting my ANNUAL REPORT on the work done in my Department for the Year ending December 31st, 1919:—

HOUSEHOLD ASHES AND REFUSE COLLECTION.

Portable Receptacles emptied	...	166,000
Dry Ashpits emptied	...	845
Loads of Dry Refuse removed	...	5,803

NIGHT WORK.

Closet Pans emptied	...	10,249
Privies and Middens emptied	...	247
Loads of Nightsoil and contents of Pans removed		621
Cesspools emptied	...	17

REFUSE—HOW DISPOSED OF.

Tipped at Knight's, Broadwaters	...	1,729	loads
Carted to Canal Boat for Oldington	...	112	„
Tipped at Foley Park	...	957	„
Tipped at Puxton	...	1,027	„
Tipped at Broadwaters Pool	...	526	„
Sundry Tippings	...	763	„
Tipped at Worcester Road	...	1,310	„
TOTAL		6,424	

No. of Boat Loads of Refuse taken to Oldington	4
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SALVAGE, ETC.

Sale of Tins, Bottles, etc.	...	£24	1	1
Sale of Stable Manure	...	£19	6	6
Removal of Trade Refuse and emptying Cesspools	...	£39	14	0
		£83	1	7

DISINFECTION.

Gallons of Fluid given away	...	620
Packets of Powder given away	...	883
Dwelling Houses disinfected	...	59
Schools Disinfected	...	29
Books Disinfected	...	6

CABSTANDS.

The Cabstands are constantly flushed with the hose pipe, and disinfected. During the Summer they receive attention twice daily.

COURT SWEEPING.

The work has had constant attention during the year. The sweeper, when on his rounds, has opened with his plunger, 75 drains and 154 water closets, which he found blocked.

INSUFFICIENT W.C. ACCOMMODATION.

Section 56, Public Health Act, 1875.

Additional Water-Closets have been provided at the following Properties, during 1919 :—

Waterloo Street	...	...	1
38-39, Queen Street	...	...	1
88-93, Offmore Road	...	...	2
28, Vicar Street	...	...	1

Additional Pan Closets have been provided at the following Properties during 1919 :—

2 to 4, Pitt's Street	1
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INSPECTION OF CANAL BOATS.

Number of Boats inspected	60
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On the whole the cabins are kept clean and are not overcrowded.

Very few women and children are met with in boats passing through this district.

In four instances the boats were worked by a man and his wife only.

In three instances the boats had on board man, wife, and one or more children.

In 53 instances the boats were worked by men.

A readiness is always shown by the boat people to comply with the Local Government Board Regulations.

Many visits have been made by the Inspector to the Canal during the year, and only on a few occasions have boats been met with. The Canal officials inform us that the traffic has been very little during the year.

INFRINGEMENTS :

Cabins out of repair and leaking	...	...	...	1
Cabins require re-painting and re-lettering				5
No water bottle	...	...	...	1
Not Registered...	...	...	...	1

All the requirements have been complied with in response to circulars and letters.

Total boats on register	...	...	58
Number of boats believed to be in use or available			58
Number of boats registered in 1919	...		1
Number of certificates renewed	...		1

No case of infectious disease occurred on any canal boat during the year.

COMMON LODGING HOUSES.

We have nine registered houses in the Borough, which houses have accommodation for 210 lodgers.

I have no fault to find with the manner in which they are conducted, or in the matter of cleanliness, either as regards the houses or the bed-clothing.

No notices were served to obtain compliance with the byelaws; infringements of the bye-laws were attended to immediately on verbal complaint.

SLAUGHTER-HOUSES.

There are 24 slaughter-houses on the register; only nine are at present in use, two being used for Beasts; two for Sheep; and five for Pigs.

515 visits have been made to the Slaughter-houses in use, at the time of slaughtering:

The following infringements of the bye-laws were detected when visiting the slaughter-houses:—

Dirty Walls of Slaughter-houses	...	...	14
Defaced Number Plate	...	...	1
Cards of Bye-laws supplied	...	...	9

FACTORY AND WORKSHOP ACT, 1901.

Fourteen notices of the occupation of Workshops and seven notices of nuisances at workshops and factories have been received from H.M. Factory Inspectors during the year, all of which have received attention.

The total number of Workshops now on the register is 176.

Twenty out-workers' lists were received from employers in the Borough notifying 27 outworkers. Three outworkers were transferred to outside districts and one transfer was received from another district.

No case of infectious disease occurred at any of the outworkers' premises during the year, all of which have been inspected.

Number of notices served to secure compliance with regulations :—

Dirty walls and ceilings	...	...	18
Insufficient ventilation	...	...	1
Insanitary Closet	...	...	1

BAKEHOUSES.

We have 48 Bakehouses on the register, two being factories, the whole of which are regularly inspected.

The bakehouses on the whole are well lighted and ventilated.

Notices served to secure compliance with regulations are as follows :—

Dirty Walls and Ceilings of Bakehouse	...	...	17
Insufficient ventilation	...	...	1

OFFENSIVE TRADES.

Permission was granted during the year to use premises at Podmore Pool, Hurcott, for gut scraping, but the premises were not used, owing to a difference between the owner and would-be occupier.

Tripe Boiler	...	...	3
Tallow Melter	...	...	1
Tanner	...	...	1
Hide and Skin Trades	...	...	2

COWSHEDS.

There are 18 Cow-keepers in the Borough, using 31 cowsheds, all of which are regularly inspected.

Notices served for Limewashing	...	10
Notices served for dirty Floors	...	2
Notices served for defective floors	...	1
Regulations not complied with	...	1
Insufficient light and ventilation	...	1

PURVEYORS OF MILK.

Residents	...	58
Non-Residents	...	20
Registered during the year	...	9

The Dairies, Milkshops, and utensils are frequently inspected, and strict attention is paid to the cleanliness of the milk-vessels.

Each person applying for registration is supplied with a printed copy of the Regulations with respect to Dairies, Cowsheds, and Milkshops, which are in force in the Borough.

UN SOUND FOOD.

During the year we have had 4 seizures and 35 surrenders of unsound food :—

2 Beasts	31lbs. Ham
1 Pig	84lbs. Pears
10 Sheep	113lbs. plucks.
5 Rabbits	198 Eggs.
16lbs. Beef.	170 tins Condensed Milk.
92lbs. Mutton	42 tins Tomatoes.
12lbs. Pork.	21 tins Fish.
80lbs. Flour.	11 tins Fruit.
438 lbs. Cheese	5 tins Jam.
47 lbs. Chocolate Delight	1 tin Soup.
12lbs. Sausage.	16 tins Preserved Meat.
112 lbs Margarine.	19 tins. Coffee and Milk.
10lbs. Bloaters	

A total weight of 1 ton 11 cwts., 1qr., 22 lbs., of this total, 1,270 lbs. was tuberculous.

We continue to exercise a strict supervision over all meat and other foods stuffs. We encourage traders to let us know at once when food is sent to them, which they may have doubts about as to soundness. By so doing, they save themselves the risk of seizure of the food and prosecution ; for when the doubtful food is proved to be unfit and is condemned, we give a certificate to the trader, to enable him to recover the purchase price from the dealer who supplied him.

DRAIN TESTING.

Year.	Drains tested by Smoke or Chemicals.	Found Defective.	Drains repaired made sound or reconstructed.
1905	77	57	112
1906	80	53	70
1907	79	54	90
1908	51	46	86
1909	67	49	121
1910	48	31	134
1911	46	30	103
1912	40	29	29
1913	32	15	33
1914	24	14	30
1915	9	5	25
1916	4	3	28
1917	0	0	45
1918	2	2	21
1919	12	6	25

MAGISTERIAL PROCEEDINGS DURING THE YEAR 1919.

NATURE AND OFFENCE.	RESULT.
Failing to comply with notices to cleanse and whitewash houses and insanitary other conditions.	Adjourned for six weeks work having been commenced. Work not completed at end of period Magistrates made orders for work to be completed in one month Fined 20s. and costs. Total £5 2s. od.

HOUSING ACTS.

Number of Houses Inspected under Section 17	...	315
Number of Houses represented as being unfit for human habitation	... ..	21
Number of Closing Orders made by Local Authority		8
Number of Houses made fit after service of Closing Orders	... ..	7
Defects remedied after Closing Orders	...	44
Number of Houses, the defects in which were remedied without Closing Orders	...	124
Number of defects remedied without Closing Orders		446
Orders to execute work under Section 15	...	0
Defects remedied under Section 15	... ..	0
Demolition Orders made by Local Authority	...	0
Demolition Orders complied with	... ..	0
*Voluntary Demolitions	... ..	6
Closing Orders remaining uncomplied with on December 31st, 1919	... ..	8

*Closing Orders had been served on two of the Houses.

The other four Houses had been voluntarily closed on advice of Local Authority.

HOUSES INSPECTED DURING 1919.

Name of Road	No. of Houses inspected	No. of Houses in which defects existed	Name of Road	No. of Houses inspected	No. of Houses in which defects existed
Albert Road	49	23	Lea Street	13	4
Arch Hill	5	4	Leswell Street	1	0
Anchor Fields	4	2	Leswell Lane	2	2
Bewdley Road	18	12	Lion Square	6	2
Baxter Avenue	7	3	Lion Street	5	3
Back Queen Street	14	4	Long Acre	3	3
Bewdley Hill	3	2	Lorne Street	11	8
Blackwell Street	58	14	Lisle Avenue	1	1
Birmingham Road	1	1	Mason Road	3	2
Broadwaters	11	7	Marlborough Street	2	2
Broad Street	25	9	Mill Street	15	10
Bromsgrove Street	50	25	Mount Pleasant	9	4
Brussels Street	15	4	Offmore Road	34	16
Chapel Street	19	14	Oxford Street	5	5
Cherry Orchard	2	2	Orchard Street	6	4
Charles Street	16	9	Prospect Hill	10	10
Chester Road	13	7	Park Butts	1	1
Churchfields	10	7	Park Lane	2	1
Clarence Street	1	0	Park Street	3	1
Coalfield Row	4	1	Peel Street	10	10
Cookley Road	7	3	Pleasant Harbour	4	4
Connaught Avenue	3	1	Pleasant Street	8	8
Constitution Hill	1	1	Pitts Street	3	2
Corporation Street	6	2	Plimsoll Street	10	5
Coventry Street	19	12	Prospect Lane	2	2
Cross Street	8	4	Queen Street	17	8
Crescent Road	5	2	Rock Terrace	8	3
Crane Street	7	3	Rackfields	16	12
Clensmore Street	66	42	Silver Street	9	6
Dudley Street	36	25	Sion Hill	14	6
Duke Street	1	1	Shrubbery Street	14	3
Edward Street	2	2	South Street	20	10
East Street	12	8	St. John's Street	13	9
Franche Road	1	1	Stourbridge Road	18	6
Findon Street	6	4	St. George's Terrace	18	8
Fair Street	17	9	Spencer Street	1	1
George Street	9	5	Summer View	10	6
Grosvenor Avenue	1	1	Sutton Road	35	15
Habberley Street	2	2	Stourport Road	6	2
Hall Street	18	9	Talbot Street	1	1
Hemming Street	10	6	Union Street	3	3
Hoo Road	4	3	Waterloo Street	3	2
Hill Street	5	5	Washington Street	6	2
Hume Street	6	6	Woodfield Creseent	9	4
Horsefair	8	6	Wood Street	24	14
Hureott Road	54	40	Worcester Street	24	12
Jerusalem Walk	3	2	York Street	2	2
New Road	8	4			
Northumberland Avenue	3	3			
Lark Hill	22	16			
				1105	623

HOUSING ACTS.

Houses dealt with during the year 1919 for CLOSING ORDERS.

Houses and Localities.	ACTION TAKEN
99-100-101-102, Park Lane	Houses void. Closing Orders served 9th January, 1919. Notice served that demolition of houses will be considered. 8th April, 1919, owner gave notice that houses will not be used as dwelling-houses again.
40-41, Queen Street, and 7 and 8, Back Queen Street	Closing Orders served. 9th Jan. 1919 Notice served on occupier to quit 23rd January, 1919. Notice served on owner that demolition of houses would be considered 8th April, 1919. Requirements of Health Committee not complied with on 31st December, 1919.

CLOSING ORDERS NOT COMPLIED WITH ON 31ST DECEMBER, 1918, AND DEALT WITH IN 1919.

Houses and Localities.	ACTION TAKEN
1-2-3-4-5-6, in One Court Charles Street	Houses have been repaired and made fit for human habitation. Closing Order Determined.
The "Yew Tree" Inn, Chester Road	House has been re-constructed and made fit for human habitation. Closing Order Determined.

HOUSES VOLUNTARILY DEMOLISHED.

82-83-84-85, Mill Street
Two Cottages off Crowther Street

**SANITARY IMPROVEMENTS CARRIED OUT AS A RESULT
OF INSPECTIONS MADE AND NOTICES SERVED.**

Dwelling Houses.

Cleansed and Whitewashed	...	...	...	413
Cleansed and Whitewashed after Infectious Diseases				17
Roofs Repaired	...	...	...	91
Damp Proof Courses put in	...	...	...	3
Floors Re-Paved or Repaired	...	...	...	41
Walls, Plaster Repaired or Renewed	...	...	...	73
New Gratings or Covers to Cellar Openings	...	...	...	9
Dilapidated Cellar Steps	...	...	...	4
Defective Dwelling House Chimneys	...	...	...	18
External Walls Cemented or Tarred	...	...	...	16
Windows repaired or provided	...	...	...	17
Windows made to open	...	...	...	1
New sash cords to windows provided	...	...	...	43
Door Sills, Frames, etc., Repaired	...	...	...	9
Stairs Repaired	...	...	...	5
Bedroom Floors Repaired	...	...	...	20
Fire Grates Repaired	...	...	...	19
Cases of Overcrowding abated	...	...	...	1
Dirty Houses (tenants' neglect)	...	...	...	4
Defective Fastenments	...	...	...	27
Obstructed Buildings removed	...	...	...	1
Damp Walls abated...	...	...	...	11

843

Washhouses, Water Closets, etc.

Washhouses Limewashed	383
Water-Closets Limewashed	...	...	...	461
Washhouse Floors repaired	...	...	...	9
Washhouse Roofs repaired	...	...	...	30
Water Closet Roofs repaired	...	...	...	3
Firegrates to Washing Furnaces repaired or new provided	...	...	...	15
Spouting provided and repaired	...	...	...	7
New Earthenware Sinks provided	...	...	...	12
Sink Waste Pipes provided and repaired	...	...	...	8
Dirty Premises (tenants' neglect)	...	...	...	71
Additional Washhouses provided	...	...	...	2
Brick Sink Repaired	...	...	...	3
Brickwork of Washing Furnaces dilapidated	...	...	...	22
Closet Troughs Removed	...	...	...	6
Brickwork of Washhouse and Water-Closets Repaired	...	...	...	19
Washhouse and Water Closets, Woodwork Repaired	...	...	...	44
Water Closet Lighted and Ventilated	...	...	...	1
Dilapidated and insanitary W.C. taken down	...	...	...	2
Additional Water Closets provided	...	...	...	5

1103

Drains and Urinals.

Obstructed Drains Cleansed ...	...	...	51
Drains repaired or re-constructed ...	...	...	25
New Inspection Chamber put in ...	...	...	1
New Intercepting Syphon put in ...	...	...	1
Broken Water Closet Pans renewed ...	...	...	19
Flushing Apparatus repaired or provided ...	...	...	98
Urinals re-constructed or repaired ...	...	...	3
New Traps provided to Water Closets ...	...	...	5
Insanitary Traps ...	...	...	1
Grids provided to Drain Inlets ...	...	...	3
			<hr/>
			207
			<hr/>

Privies, Pan Closets, Ashpits, etc.

Privies Repaired	4
Ashpits Removed ...	...	...	43
Additional Pan Closets Provided ...	...	...	1
Closet Pans Provided ...	...	...	2
Privy converted into Pan Closet ...	...	...	1
Ash Receptacles provided ...	...	...	92
Overflowing Cesspools ...	...	...	7
Cesspool Pumps Repaired ...	...	...	2
			<hr/>
			152
			<hr/>

Rain Water Spouting.

New Spouting provided ...	...	...	6
Spouting Repaired ...	...	...	54
Short rain-water down Spouts lengthened ...	...	...	7
Rain-water down Spouts disconnected from Drains	8
			<hr/>
			75
			<hr/>

Water Supply.

New Service Pipes provided	16
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Other Nuisances.

Pig Keeping Nuisances abated	8
Nuisances from other Animals abated	4
Fowl Keeping Nuisances abated ...	...	...	4
Accumulation of Refuse and Manure Removed ...	...	...	13
Pigstyes Cleansed ...	...	...	4
Stables Cleansed ...	...	...	1
Miscellaneous Nuisances ...	...	...	9
			<hr/>
			43

TABLE SHOWING RESULTS OF THE ANALYSIS OF
24 SAMPLES OF MILK.

The following Table, which is an interesting study, shows the constituents of each sample of milk submitted for analysis during the year 1919 :—

Number of Sample	Total Solids.	Fat.	Non-fatty Solids
Sale of milk Regulations 1901	11.5	3.0	8.5
108	12.78	3.95	8.83
109	12.95	4.10	8.85
110	12.30	3.35	8.95
111	12.48	3.90	8.58
112	13.69	4.85	8.84
113	14.21	6.10	8.11
114	12.28	3.50	8.78
115	12.48	3.90	8.58
116	12.82	3.95	8.87
128	12.77	3.70	9.07
129	11.77	3.10	8.67
130	13.50	4.60	8.90
131	12.22	3.30	8.92
132	12.65	4.15	8.50
133	12.35	3.45	8.90
134	13.10	4.45	8.65
135	12.68	3.85	8.83
136	12.71	3.85	8.86
137	11.98	3.00	8.98
138	12.47	3.45	9.02
139	12.49	3.60	8.89
153	12.39	3.60	8.79
154	12.16	3.05	9.11
155	12.48	3.50	8.98

SALE OF FOOD AND DRUGS ACTS, 1875 TO 1907.

Samples taken during the year 1919 and results.

Informal Samples	Formal Samples	Articles	Genuine	Adulter- ated	Extent of Adulteration (if any)	Result
1	24	Milk	24			
7		Milk	1			
1		Margarine	7			
		Margarine		1	1.78 % excess of water	Cautioned.
1		Butter		1	Contained 2.55 % of excess water	Sample brought to office by Purchaser who thought it was margarine
1		Lard	1			
2		Ground Ginger	2			
2		Crushed Linseed	2			
1		Camphorated Oil		1	Contained Rape Oil instead of Olive Oil.	Cautioned.
2		Salad Oil	2			
1		Camphorated Oil		1	Camphor 21.2 %, Rape Oil 78.8 % Labelled Not B.P.	
2		Arrowroot	2			
1		Friars Balsam	1			
1		Vinegar	1			
2		Turpentine	2			
1		Prescription	1			
1		Ginger Wine	1			
1		Ginger Wine		1	Contained Capsicum	No action taken.

Total Number of Samples 52

Under Section 7 of Sale of Food and Drugs Act, 1899, it is incumbent upon all manufacturers and wholesale dealers in Margarine and Margarine Cheese to be registered by the Council. There has been one addition to the register during the year 1919, the number of persons on the register being 11.

Preliminary Notices served	...	627
Statutory Notices served	...	74
Notices to provide Portable Ash Receptacles	...	23
Notices to Cleanse and Whitewash Houses	...	79
Notices to provide proper Water Spouting	...	16
Threatening Notices served	...	16
Notices to School Medical Officer	...	56
Notices to Head Teachers	...	151
Notices to Parents	...	120
Certificates granted for children to attend School	...	58

STRAY DOGS.

Thirty-two carcasses of dogs have been handed over to us by the Police for destruction.

THE THRESH STEAM DISINFECTOR.

135 Articles of Clothing and Bedding have been disinfected.

Bedding	...	94	Articles.
Clothing	...	41	„

MORTUARY.

Three bodies were received into the Public Mortuary during the year.

I am, Mr. Chairman and Gentlemen,

Your obedient Servant,

JOHN T. COWDEROY,

SANITARY INSPECTOR.

TO THE CHAIRMAN, VICE-CHAIRMAN AND
MEMBERS OF THE HEALTH COMMITTEE.